

Amendments to the Claims:

Claims 87-107 are unchanged from the form that has been previously allowed. Claims 108-122 are newly added. This listing will replace all prior versions, and listing, of claims in the application:

Listing of Claims

(Claims 1-86 have been cancelled)

87.(Previously Presented) A memory card connectable to a master operating in a first communication protocol, comprising:

an interface for connection to the master for the transfer of data and commands between the host and the memory card;

a memory section for storing said data; and

an interface controller connected to the memory section and the interface, wherein the interface controller selects said first communication protocol from a plurality of protocols based solely on an initialization command received from the master upon connection to the master;

wherein the selection of the communication protocol is transparent to the master.

88.(Previously Presented) The memory card of claim 87, wherein the interface comprises a plurality of connection pins and wherein said initialization command comprises asserting a first signal level to a first connection pins when the host operates in the first protocol and not asserting said the first signal level to the first connection pins when the host does not operate in the first protocol.

89.(Previously Presented) The memory card of claim 88, wherein said asserting a first signal level is the assertion of a chip select signal and wherein the first protocol is a Serial Peripheral Interface protocol.

90.(Previously Presented) The memory card of claim 88, wherein the first protocol is a MultiMediaCard protocol.

91.(Previously Presented) A system comprising:
a host operating in a first communication protocol; and
a first card connectable to the host for transferring data and commands between the first card and the host, wherein based on signals from the host the first card selects the first protocol from a plurality of protocols in a way transparent to the host upon connection to the host.

92.(Previously Presented) A system comprising:
a host that operates in a first communication protocol; and
a first card connectable to the host for transferring data and commands between the first card and the host, wherein based on signals from the host the first card selects the first protocol from a plurality of protocols in a way transparent to the host, wherein the first card selects the first protocol in response to an initialization signal from the host when the first card is connected to the host.

93.(Previously Presented) The system of claim 92, wherein the first card comprises an interface through which the data and commands are transferred, the interface comprising a pin, and wherein the initialization signal comprises asserting a signal to said pin that is dependent upon said first protocol.

94.(Previously Presented) The system of claim 93, wherein said first protocol is a Serial Peripheral Interface protocol and said signal is a chip select signal.

95.(Previously Presented) The system of claim 93, wherein said first protocol is a MultiMediaCard protocol.

96.(Previously Presented) The system of claim 91, further comprising:
a second card connectable to the host simultaneously with the first card for transferring data and commands between the second card and the host, wherein the second card selects the first protocol from a plurality of protocols in a way transparent to the host upon connection to the host.

97.(Previously Presented) A method comprising:

connecting a first memory card capable of communicating in a plurality of communication protocols to a first host operating in a first of said plurality of communication protocols;

in response to said connecting the first memory card to the first host, transmitting an initialization command from the first host to the first card;

receiving the initialization command in the first card; and

the first memory card selecting the first communication protocol for the transfer of data and commands between the first host and the first memory card based solely on the initialization command;

wherein the selection of the communication protocol is transparent to the host.

98.(Previously Presented) The method of claim 97, wherein said initialization command comprises asserting a chip select signal.

99.(Previously Presented) The method of claim 98, wherein the first card subsequently remains in said first protocol when the chip select signal is de-asserted.

100.(Previously Presented) The method of claim 98, wherein the first communication protocol is a Serial Peripheral Interface protocol.

101.(Previously Presented) The method of claim 97, wherein the first communication protocol is a MultiMediaCard protocol.

102.(Previously Presented) The method of claim 97, further comprising:

transferring first data from the first host to the first memory card using the first communication protocol;

disconnecting the first memory card from the first host;

connecting the first memory card to a second host operating in a second of said plurality of communication protocols;

in response to said connecting the first memory card to the second host, transmitting an initialization command from the second host to the first card;

receiving the initialization command from the second host in the first card;

the first memory card selecting the second communication protocol for the transfer of data and commands between the second host and the first memory card based solely on the initialization_command from the second host; and

transferring the first data from the first memory card to the second host using the second communication protocol.

103.(Previously Presented) The method of claim 97, further comprising:
connecting a second memory card capable of communicating in the plurality of communication protocols to the first host while the first memory card is also attached to the first host;

in response to said connecting the second memory card to the first host, transmitting an initialization_command from the first host to the second card;

receiving the initialization_command in the second card; and

the second memory card selecting the first communication protocol for the transfer of data and commands between the first host and the second memory card based solely on the initialization command.

104.(Previously Presented) A method comprising:

connecting a memory card capable of communicating in a plurality of communication protocols to a host that can operate in at least one of said plurality of communication protocols for the transfer of data and commands between the host and the memory card;

in response to said connecting the first memory card to the first host, transmitting a first initialization command from the host to the card;

receiving the first initialization command in the card;

the card selecting the communication protocol in which the host is operating at the time of said transmitting the first initialization command based solely on the first initialization command;

during the continued operation of the host, subsequently transmitting a second initialization command from the host to the card;

receiving the second initialization command in the card; and

the card selecting the communication protocol in which the host is operating at the time of said transmitting the second initialization command based solely on the second initialization command;

wherein the selection of the communication protocol is transparent to the host.

105.(Previously Presented) The memory card of claim 104, wherein said plurality of communication protocols includes at least a first and a second protocol, wherein the card is connected to the host by an interface comprising a plurality of connection pins, wherein said initialization commands comprises the simultaneous assertion of signal levels on the connection pins, and wherein the signals levels of the initialization of the first protocol differ from the signal levels of the initialization signal of the second protocol.

106.(Previously Presented) The memory card of claim 104, wherein said plurality of communication protocols include a Serial Peripheral Interface protocol.

107.(Previously Presented) The memory card of claim 104, wherein said plurality of communication protocols include a MultiMediaCard protocol.

108.(New) A memory card electronically connectable to a master operating in a first operating protocol from among a plurality of protocols, comprising:

an interface comprising a plurality of terminals for connection to the master for the transfer of data between the host and the memory card;

a memory section for storing said data; and

a controller connected to the memory section and the interface, wherein the controller automatically selects in a manner transparent to the master said first operating protocol based on one or more signals distributed among the plurality of terminals originating from the master at power up.

109.(New) The memory card of claim 108, further comprising:

an interface driver, whereby said plurality of terminals are connected to the controller.

110.(New) The memory card of claim 108, further comprising:

a memory core interface, whereby said memory section is connected to the controller.

111.(New) The memory card of claim 108, wherein said memory section is a flash memory.

112.(New) The memory card of claim 108, wherein said plurality of protocols includes a serial protocol.

113.(New) The memory card of claim 108, wherein said plurality of protocols includes a protocol wherein said terminals include a bidirectional data channel between the card and the master.

114.(New) A method of configuring a memory card capable of communicating in a plurality of protocols to operate with a host, comprising:

coupling the memory card to the host so that the host communicates with the memory card through a plurality of terminals, wherein the host is operating in a first of said plurality of protocols;

in response to said connecting the memory card to the host, powering up the memory card;

sensing in the card one or more signals originating from the host distributed among said plurality of terminals; and

the memory card automatically selecting the first protocol for the transfer of data between the host and the memory card based on said signals originating from the host, wherein the selection of the protocol is transparent to the host.

115.(New) The memory card of claim 114, wherein said plurality of protocols includes a serial protocol.

116.(New) The memory card of claim 114, wherein said plurality of protocols includes a protocol wherein said terminals include a bidirectional data channel between the card and the master.

117.(New) A system comprising:

a host operating in a first operating protocol from among a plurality of operating protocols;

a memory card;

an interface comprising a plurality of terminals for the connection of the memory card to the host for the transfer of data between the host and the memory card;

a memory section embedded within the memory card for storing said data; and

a controller embedded within the memory card, wherein the controller automatically selects in a manner transparent to the master said first operating protocol based on one or more signals distributed among the plurality of terminals originating from the master at power up.

118.(New) The system of claim 117, further comprising:

an interface driver embedded within the memory card, whereby said plurality of terminals are connected to the controller.

119.(New) The system of claim 117, further comprising:

a memory core interface embedded within the memory card, whereby said memory section is connected to the controller.

120.(New) The system of claim 117, wherein said memory section is a flash memory.

121.(New) The system of claim 117, wherein said plurality of protocols includes a serial protocol.

122.(New) The system of claim 117, wherein said plurality of protocols includes a protocol wherein said terminals include a bidirectional data channel between the card and the master.